

## ALTERING MIDAS SCENARIOS

### Purpose

This Meteorology and Air Quality Group (MAQ) procedure describes the process for altering Meteorological Information and Dispersion Assessment System (MIDAS) scenarios to reflect continually changing chemical and radiological inventories at Los Alamos National Laboratory (LANL). MIDAS is a tool used by the MAQ Meteorology Project and by Emergency Management and Response (EM&R) at the Emergency Operations Center (EOC) to assess the consequences of an accidental release of hazardous chemicals or radiological materials to the atmosphere.

### Scope

This procedure applies to MAQ Meteorology Project staff personnel who perform alterations to the MIDAS model.

### In this procedure

This procedure addresses the following major topics:

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### Hazard Control Plan

The hazard evaluation associated with this work is documented in MAQ-Office.

### Signatures

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04/14/04

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## General information about this procedure

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**Attachments** This procedure has no attachments.

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**History of revision** This table lists the revision history and effective dates of this procedure.

Revision	Date	Description Of Changes
0	6/16/98	New document.
1	4/13/04	Update to reflect use of new MIDAS model software and operating system and new EOC.

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**Who requires training to this procedure?** The following personnel require training before implementing this procedure:

- MAQ personnel assigned to maintain the MIDAS model

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**Training method** The training method for this procedure is “**self-study**” (**reading**) and is documented in accordance with the procedure for training (MAQ-024).

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**Prerequisites** In addition to training to this procedure, the following training is also required prior to performing this procedure:

- Training in the use of MIDAS
- Knowledge of MS Windows

## General information, continued

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**Definitions specific to this procedure**     *eocpc*: IBM PC in the Emergency Technical Support Center at the EOC, TA-69, Bldg. 33, Rm. 124C; Meteorology/Emergency Management PC at the EOC.

*MIDAS*: Meteorological Information and Dispersion Assessment System. A tool to assess the consequences of an accidental release of hazardous chemical, radiological, or biological materials to the atmosphere.

*metpc*: IBM PC at TA-59, Bldg. 1, Rm. 178; Meteorology/Emergency Management PC at Meteorology Project of RRES-MAQ.

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**References**     The following documents are referenced in this procedure:

- MAQ-024, "Personnel Training"
  - PLG 1996: PLG, "Technical Manual: MIDAS Documentation Volume 2 (part 1 of 2)," 1996.
  - PLG 1993: PLG, "Chemical MIDAS User's Manual," June 1993.
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**Note**     Actions specified within this procedure, unless preceded with "should" or "may," are to be considered mandatory guidance (i.e., "shall").

## Altering MIDAS scenarios

**Overview** MIDAS scenarios must be changed continually to ensure that they reflect current chemical and radiological inventories. Scenarios may also be changed if errors are discovered or for other reasons as determined by EM&R personnel. Instructions regarding required changes are received from EM&R personnel.

**Steps to alter a MIDAS scenario** To alter a MIDAS scenario, perform the following steps:

Step	Action
1	Obtain instructions to make a change to MIDAS scenario(s) from EM&R personnel, or confer with EM&R personnel if it is believed that a change is necessary.
2	Perform changes within the appropriate MIDAS editor on <i>metpc</i> . TDEDIT is used for most changes in C-MIDAS, ISOEDT is used for most changes in R-MIDAS. See the PLG 1996 and PLG 1993 for additional guidance.
3	Execute modified scenario in MIDAS. Check the release location and release parameters as shown in resulting MIDAS output screen.
4	Copy the directory C:\Program Files\MIDAS-LA from the <i>metpc</i> onto a CD and transport the CD to the EOC. On the <i>eocpc</i> at the EOC, rename the existing directory C:\Program Files\MIDAS-LA (for example, rename as: "C:\Program Files\MIDAS-LA_obsolete_date") and copy the directory C:\Program Files\MIDAS-LA from the CD onto the <i>eocpc</i> in the same location that this directory previously held.
5	Log changes in "MIDAS Changes Notebook" in the MAQ Meteorology Lab. Include the original paper copy of requested changes from EM&R, or, if no paper copy was received, document changes made.
6	Notify EM&R personnel that changes were completed.

## Records resulting from this procedure

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### Records

The following records generated as a result of this procedure are to be filed and maintained by the Meteorology Project:

- Changes logged in the “MIDAS Changes Notebook” in the Meteorology Laboratory, TA-59, Bldg. 1, Rm. 178.

[Click here to record “self-study” training to this procedure.](#)



